Author index

Ahlers D., 47
Åkerlöf E., 349
Amselgruber W., 53
Arsyad K. M., 355
Avallet O., 27

Baker H. W. G., 343
Balasubramanian K., 175
Bartke A., 324
Bastiaans B. A., 15
Becmeur F., 137
Bellastella A., 311
Bergh A., 62
Bergmann M., 47
Bhanu N. V., 175
Blumenfeld Z., 251
Bothorel B., 137
Brandes J. M., 251

Candas V., 137
Cerbito W. A., 155
Chan C. W., 41
Chandrashekar V., 324
Chao H. T., 93
Cheng L. Y. L., 41
Chow P. H., 41
Christiansen E., 1
Cobo P., 315
Cooper T. G., 245, 362

D'Apuzzo A., 311
Das R. P., 221
De Cooman S., 201
Di Finizio B., 311
Dieckmann K. -P., 143
Doncel G. F., 279
Dufaure J. P., 147
Dumoulin J. C. M., 113

Eiley D., 258
Enginsu M. E., 113
Evers J. H. L., 113

Feigin P. D., 251
Feng H. -M., 87
Foster P. M. D., 370
Fraser. M., 272
Froysâ B., 159

Gagnon C., 21, 121, 183, 258
Ganguly A., 221
Gennart J. -P., 201
Geraedts J. P. M., 113
Gérard N., 285
Glander H. -J., 105
Gomathi C., 175
Goverde H. J. M., 15
Govindarajulu P., 175
Griffiths A. L., 380

Hakovirta H., 159
Hargreave T. B., 272
Hjertkvist M., 62
Ho P. C., 189
Hoeft A., 137
Hong C. Y., 93
Hosaka Y., 306
Hovatta O., 165
Hutson J. M., 380

Inoue J., 155
Isurugu K. K., 306
Ivell R., 53

Janssen H. J. G., 15
Jantos C., 47
Jarvi K., 121
Jégou B., 285
Jiang Y. -J., 87
Jimenez C., 147

Kajiwara T., 306
Keck C., 195, 362
Kerr J. B., 272
Kindahl H., 235
Kiran Kumar Y. V., 227
Kirchhoff C., 53
Kung A. W. C., 189

de Lamirande E., 21, 183, 258
Langlais J., 121
Lauwerys R., 201
Lee S. L., 93
Lefrançois A. M., 147
Lejeune H., 27
Lerchl A., 195
Li Q. -K., 87
Li S.-Q., 87
Liebermann B. A., 97, 207
Lindroth L., 165
Linnett L., 169
Lison D., 201
Lourtau L., 279
Loy V., 143
Lustig L., 279

McKinnell C., 71
McLaren T. T., 370
Maddocks S., 272
Makler A., 251
Martín-Córdóva C., 315
Matson P. L., 97, 207
Matsuzawa T., 155
Meschede D., 362
Millar M., 71
Minowada S., 306
Misro M. M., 221
Miyake K., 215
Moilanen J., 165
Momose Y., 380
Morroll D. R., 97, 207

Nagahama M., 215
Nashan D., 47
Nieschlag E., 47, 129, 195, 362
Nistal M., 315

Oguri N., 155
Olssen A. M., 85
Oosterhuis J. W., 267

Palacios J., 315
Pandurunga Reddy G., 227
Paniagua R., 315
Parvinen M., 159
Paschke R., 129
Pasquali D., 311
Penttilä T. L., 159
Perez R., 279
Pieters M. H. E. C., 113
Pöllänen P., 159
Pousette A., 349
Prasad M., 227
Psalti I., 201
Purvis K., 1
Pye S. D., 35

Qureshi S. J., 293

Reddabba P., 227
Reddie K., 272
Regadera J., 315
Roberts K. D., 121
Rodriguez-Martinez H., 235
Rolland R., 15
Russell L. D., 324

Saez J. M., 27
Sailesh S., 227
Sanchez P., 27
Sano M., 215
Sato K., 155
Schaller J., 105
Schiefer H. G., 47
Scurini C., 311
Sharpe R. M., 71, 272, 293, 370
Simoni M., 129
Sinha Hikim A. P., 324
Sinisi A. A., 311
Sinowatz F., 53
Skalli M., 27
Slotte H., 349
Söder O., 159
Sorg C., 47
Spitteri-Grech J., 195
Srikanth V., 175
Stevens L. C., 267
Stoller J., 251

Takahashi K., 15
Tas S., 201
Tsuji Y., 215
Tsutsui Y., 215

Uhlenbruck F., 53

Wallace E. M., 35
Wallgren M., 235
Walt H., 267
Wang C., 189

Author index

Ahlers D., 47
Åkerlöf E., 349
Amselgruber W., 53
Arsyad K. M., 355
Avallet O., 27

Baker H. W. G., 343
Balasubramanian K., 175
Bartke A., 324
Bastiaans B. A., 15
Becmeur F., 137
Bellastella A., 311
Bergh A., 62
Bergmann M., 47
Bhanu N. V., 175
Blumenfeld Z., 251
Bothorel B., 137
Brandes J. M., 251

Candas V., 137
Cerbito W. A., 155
Chan C. W., 41
Chandrashekar V., 324
Chao H. T., 93
Cheng L. Y. L., 41
Chow P. H., 41
Christiansen E., 1
Cobo P., 315
Cooper T. G., 245, 362

D'Apuzzo A., 311
Das R. P., 221
De Cooman S., 201
Di Finizio B., 311
Dieckmann K. -P., 143
Doncel G. F., 279
Dufaure J. P., 147
Dumoulin J. C. M., 113

Eiley D., 258
Enginsu M. E., 113
Evers J. H. L., 113

Feigin P. D., 251
Feng H. -M., 87
Foster P. M. D., 370
Fraser. M., 272
Froysâ B., 159

Gagnon C., 21, 121, 183, 258
Ganguly A., 221
Gennart J. -P., 201
Geraedts J. P. M., 113
Gérard N., 285
Glander H. -J., 105
Gomathi C., 175
Goverde H. J. M., 15
Govindarajulu P., 175
Griffiths A. L., 380

Hakovirta H., 159
Hargreave T. B., 272
Hjertkvist M., 62
Ho P. C., 189
Hoeft A., 137
Hong C. Y., 93
Hosaka Y., 306
Hovatta O., 165
Hutson J. M., 380

Inoue J., 155
Isurugu K. K., 306
Ivell R., 53

Janssen H. J. G., 15
Jantos C., 47
Jarvi K., 121
Jégou B., 285
Jiang Y. -J., 87
Jimenez C., 147

Kajiwara T., 306
Keck C., 195, 362
Kerr J. B., 272
Kindahl H., 235
Kiran Kumar Y. V., 227
Kirchhoff C., 53
Kung A. W. C., 189

de Lamirande E., 21, 183, 258
Langlais J., 121
Lauwerys R., 201
Lee S. L., 93
Lefrançois A. M., 147
Lejeune H., 27
Lerchl A., 195
Li Q. -K., 87
Li S.-Q., 87
Liebermann B. A., 97, 207
Lindroth L., 165
Linnett L., 169
Lison D., 201
Lourtau L., 279
Loy V., 143
Lustig L., 279

McKinnell C., 71
McLaren T. T., 370
Maddocks S., 272
Makler A., 251
Martín-Córdóva C., 315
Matson P. L., 97, 207
Matsuzawa T., 155
Meschede D., 362
Millar M., 71
Minowada S., 306
Misro M. M., 221
Miyake K., 215
Moilanen J., 165
Momose Y., 380
Morroll D. R., 97, 207

Nagahama M., 215
Nashan D., 47
Nieschlag E., 47, 129, 195, 362
Nistal M., 315

Oguri N., 155
Olssen A. M., 85
Oosterhuis J. W., 267

Palacios J., 315
Pandurunga Reddy G., 227
Paniagua R., 315
Parvinen M., 159
Paschke R., 129
Pasquali D., 311
Penttilä T. L., 159
Perez R., 279
Pieters M. H. E. C., 113
Pöllänen P., 159
Pousette A., 349
Prasad M., 227
Psalti I., 201
Purvis K., 1
Pye S. D., 35

Qureshi S. J., 293

Reddabba P., 227
Reddie K., 272
Regadera J., 315
Roberts K. D., 121
Rodriguez-Martinez H., 235
Rolland R., 15
Russell L. D., 324

Saez J. M., 27
Sailesh S., 227
Sanchez P., 27
Sano M., 215
Sato K., 155
Schaller J., 105
Schiefer H. G., 47
Scurini C., 311
Sharpe R. M., 71, 272, 293, 370
Simoni M., 129
Sinha Hikim A. P., 324
Sinisi A. A., 311
Sinowatz F., 53
Skalli M., 27
Slotte H., 349
Söder O., 159
Sorg C., 47
Spitteri-Grech J., 195
Srikanth V., 175
Stevens L. C., 267
Stoller J., 251

Takahashi K., 15
Tas S., 201
Tsuji Y., 215
Tsutsui Y., 215

Uhlenbruck F., 53

Wallace E. M., 35
Wallgren M., 235
Walt H., 267
Wang C., 189

Wang C. -X., 87
Wang Q. -H., 87
Wei Y. H., 93
Wen R.-Q., 87
Wetzels A. M. M., 15
Wild S. R., 35
Wu F. C. W., 35

Yamamoto M., 215
Yeung C. -H., 362

Zander M., 362
Zhang X. -L., 87
Zini A., 183

Subject Index

Accessory sex glands
  hamster, secretions of, 41
  human, and infertility, 1
  human, and platelet-activating factor acetylhydrolase, 121
  human, and vasectomy, 169
Antisperm antibodies, 1, 87
  human, and vasectomy, 169
  human, detection methods, 207, 311
Assisted conception methods, 343
Autoimmune orchitis
  rat, experimental induction, 279
  rat, infiltration of lymphocytes, 279

Carcinoma-*in-situ*
  evaluation of animal model, 267
  human, and fertility, 143
Cryptorchidism
  mouse, role of gubernaculum, 380
  rat, vascular response to hCG, 63

Efferent ducts
  human, immunohistochemical studies, 315
Embryonal carcinoma, mouse, 267
Epididymis
  boar, and puberty, cryptorchidism, 53
  boar, bull, stallion, gene expression in, 53
  human, and fertility, 245
  human, function of, 245
  human, necessity for, 245
  mouse, androgen-regulated proteins, 147
  mouse, infection with *E. coli*, 47
  mouse, immunocompetent cells in, 47

Follicle-stimulating hormone
  hamster, and photoperiod-induced changes in Leydig cells, 324
  human, and idiopathic infertility, 129
  rat, and Leydig cell morphology, 221

Gubernaculum
  mouse, males, females and testicular feminized males, 380

Hyperprolactinaemia
  human, 306

Impotence
  human, 85
  Infertility, human male
    and antisperm antibodies, 1, 311
    and beta-1 integrins, 105
    and calmodulin, 215
    and chronic alcoholism, 175
    and FSH antibodies, 129
    and hyperprolactinaemia, 306
    and infection of reproductive tract, 1
    and reactive oxygen species 183, 343
    and vitamin E administration, 165
    and seminal leucocytes, 189
  causes and treatment, 343
Infertility, horse, 155
Inhibin
  comparison of levels in human, primate, guinea pig and rat, 272

Interleukin-1
  rat, production by seminiferous tubules, 159
Interstitial fluid, rat testis, 63

Intra-cytoplasmic sperm injection, 343
In-vitro fertilization, human
  and sperm parameters, 113
  and plasminogen activator, 201
  current status, 343
  use of follicular fluid, 93
Leydig cells
  hamster, structural and functional changes, 324
  human, light and dark types, 293

Male contraception, human, 35, 355

Oestrogen, levels in the stallion, 155

Plasminogen activator
  human, and fertilizing ability of spermatozoa, 201
Platelet activating factor acetylhydrolase, 121
Prostate gland, human
  and infertility, 1
  size during testosterone administration, 35

Scrotum
  temperature control of the testis, 137
Seminiferous tubule protein secretion, rat
  comparison of testosterone or germ cell removal, 71
  effect of age and testicular toxicants, 370
Sertoli cell
  human, co-culture with Leydig cells, 27
  rat, analysis of secreted proteins, 285, 370
  rat, effect of germ cells on protein secretion, 285
Spermatocytes
  human, and calmodulin, 215
  rat, and seminiferous tubule protein secretion, 71
  rat, depletion by methoxyaceticacid, 71
  rat, effect on Sertoli cells, 285
Spermatogonia
  rat, DNA synthesis and interleukin-1, 159
Spermatids
  rat, and seminiferous tubule protein secretion, 71
  rat, effect on Sertoli cells, 285
Spermatozoa, human
  and plasminogen activator, 201
  and seminal leucocytes, 189
  and superoxide dismutase, 21, 183, 258
  acrosome reaction, 21, 93, 105, 258, 349
  beta-1, integrins of, 105
  binding to zona pellucida, 97
  catalase activity, 183
  capacitation, 21, 258
  collected from proximal vas deferens, 87
  computer-assisted analysis, 15
  concentration and motility analysis, 15
  effect of chronic alcoholism, 175
  effect of follicular fluid, 93, 258
  effect of testosterone administration, 355
  generation of reactive oxygen species, 183, 258
  hyperactivation of, 21, 93
  hypo-osmotic swelling test, 87
  methods of morphological analysis, 362
  motility, 15, 87, 93

Percoll separation of, 349
sedimentation rate, 251
strict criteria morphology, 113
swim-up, 113, 251

Testicular cancer/germ cell-tumours
human, and fertility, 143
human, and vasectomy, 169
mouse, induction and comparison with human, 267
Testis
boar, effect of endotoxin injection, 235
human, temperature regulation of, 137
human, effect of varicocele, 195
rat, hCG-induced inflammatory changes, 63
several species, hormone secretion from, 272
several species, role of vasculature, 63, 272
Testosterone
horse, levels of, 155
human, administration for contraception, 35, 355
human, and prostate gland size, 35
human, effect of Sertoli cells on production, 27
human, production by Leydig cells in-vitro, 27, 293
rat, and Leydig cell morphology, 221
rat, and seminiferous tubule protein secretion, 71
rat, effect of arachidonic acid metabolites on production, 227
several species, comparison of levels in testicular, spermatic and peripheral blood, 272
Two-dimensional SDS-PAGE
mouse, analysis of epididymal-secreted proteins, 147
rat, analysis of Sertoli cell secreted proteins, 285, 370

Varicocele, human
and infertility, 343
and scrotal temperature, 195
Vasectomy, and human health, 169